

Converting Colors

Yxy(82.9961, 0.2859, 0.3930)

Have a look what the booklet for
Yxy(82.9961, 0.2859, 0.3930)
contains.

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Color

Yxy(83.0061, 0.2856, 0.3925)

Conversions

Conversions Part 1

Format	Color
Hex	9EFFC9
RGB	158, 255, 201
RGB Percent	62%, 100%, 79%
CMY	0.3804, 0.0000, 0.2119
CMYK	0.38, 0.00, 0.21, 0.00
HSL	147°, 100%, 81%
HSV	147°, 38%, 100%
XYZ	60.3988, 83.0061, 68.0756
YIQ	219.8410, -40.4780, -37.3580

Conversions

Conversions Part 2

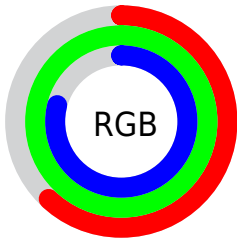
Format	Color
RYB	158, 225, 255
Decimal	10420169
CIELab	93.02, -40.04, 16.94
CIELCh	93, 43.473, 157.062
Yxy	83.0061, 0.2856, 0.3925
Android (android.graphics.Color)	4288610249 (0xFF9EFFC9)
YUV	219.8410, -9.2886, -54.2346
Hunter-Lab	91.1077, -41.1038, 19.4739

Details

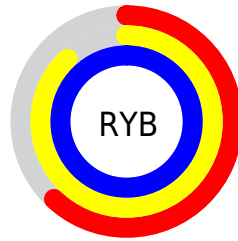
The Yxy color **83.0061, 0.2856, 0.3925** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **50.4668, 0.3544, 0.2736**, and the grayscale version is **71.5363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **45.3195, 0.2788, 0.4084** is the 20% darker color. If you saturate the color by 10%, you get **80.0433, 0.2802, 0.4130**, and if you desaturate by 10%, it is **86.5632, 0.2920, 0.3734**.

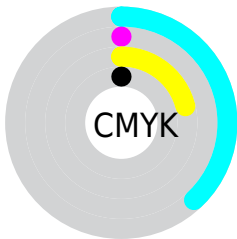
Distribution



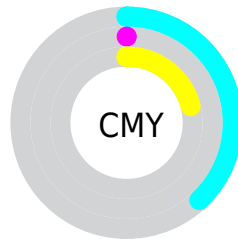
- Red (62%)
- Green (100%)
- Blue (79%)



- Red (62%)
- Yellow (88%)
- Blue (100%)



- Cyan (38%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




- Cyan (38%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.0061, 0.2856, 0.3925 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 83.0061, 0.2856, 0.3925 by changing the saturation by 10% instead.


 83.0061, 0.2856,
0.3925


 83.0061, 0.2856,
0.3925

505.0068, 0.2985,
0.3625

 62.1952, 0.2826,
0.3995


 137.5840, 0.2901,
0.3820

 45.1904, 0.2788,
0.4082


 172.1198, 0.2919,
0.3779

 31.6074, 0.2740,
0.4194


211.9993, 0.2934,
0.3744

 21.0618, 0.2675,
0.4342

257.6070, 0.2947,
0.3714

 13.1692, 0.2586,
0.4547

309.3271, 0.2958,
0.3687

 7.5452, 0.2454,
0.4848

367.5443, 0.2968,

 3.8053, 0.2241,

0.3664

0.5329

432.6427, 0.2977,
0.3643

■ 1.5653, 0.1675,
0.6683

■ 0.3340, 0.0000,
1.0000

■ 83.0061, 0.2856,
0.3925

■ 83.0061, 0.2856,
0.3925

■ 80.0433, 0.2802,
0.4130

■ 86.5632, 0.2920,
0.3734

■ 77.6456, 0.2761,
0.4346

■ 90.7527, 0.2991,
0.3560

■ 75.7722, 0.2736,
0.4567

■ 95.6024, 0.3066,
0.3404

■ 74.3789, 0.2731,
0.4787

100.0000, 0.3127,
0.3290

■ 73.4139, 0.2746,
0.4998

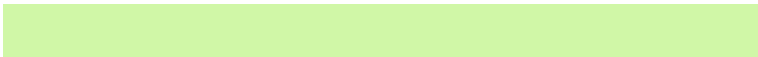
■ 72.8073, 0.2779,
0.5193

■ 72.7114, 0.2786,
0.5229

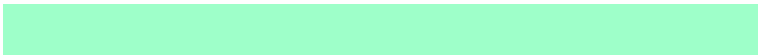
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0061, 0.3347, 0.4183



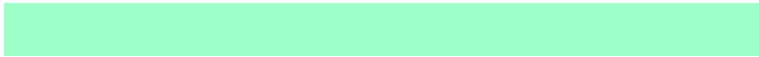
83.0061, 0.2856, 0.3925



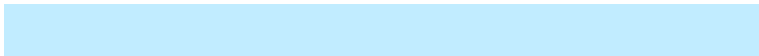
83.0061, 0.2458, 0.3453

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.0061, 0.2856, 0.3925



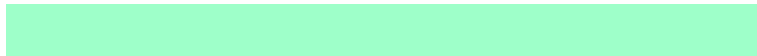
83.0061, 0.2454, 0.2496



83.0061, 0.4099, 0.3483

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



83.0061, 0.2856, 0.3925



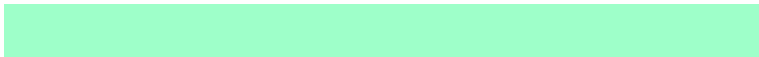
50.4668, 0.3544, 0.2736

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.0061, 0.3823, 0.3091



83.0061, 0.2856, 0.3925



83.0061, 0.2847, 0.2546

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.0061, 0.2856, 0.3925



83.0061, 0.2243, 0.2635



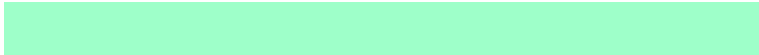
83.0061, 0.3351, 0.2758



83.0061, 0.4085, 0.3864

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.0061, 0.2856, 0.3925



83.0061, 0.2292, 0.3121



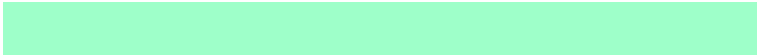
83.0061, 0.3351, 0.2758



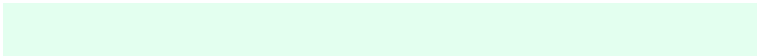
83.0061, 0.4037, 0.3350

Sweetspot

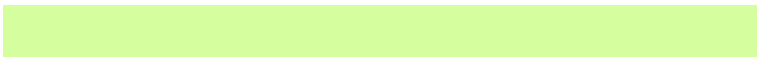
The Sweet Spot groups the original color and five complimentary colors.



83.0041, 0.2856, 0.3925



94.0970, 0.3044, 0.3448



88.1293, 0.3414, 0.4337



19.9972, 0.3033, 0.3469



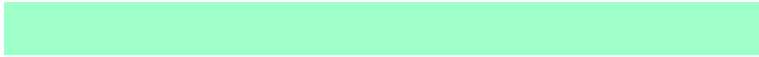
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0041, 0.2856, 0.3925



80.6007, 0.2812, 0.4087



85.5990, 0.2626, 0.3360



20.3019, 0.3055, 0.3425



38.0222, 0.2777, 0.5198



3.7237, 0.2716, 0.4978

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



50.4668, 0.3544, 0.2736



43.6645, 0.3669, 0.2623



48.4090, 0.4010, 0.3224



18.1565, 0.3206, 0.3158



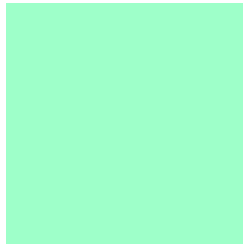
12.1604, 0.4723, 0.2376



1.2060, 0.4502, 0.2254

Previews

White Background



This preview shows how the Yxy color 83.0061, 0.2856, 0.3925 looks on a white background.

Color Contrast Check

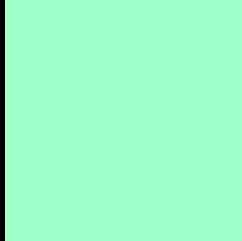
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 83.0061, 0.2856, 0.3925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

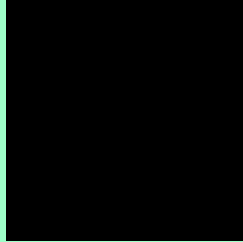
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.0061, 0.2856, 0.3925

Background



This preview shows how black text looks on a background with the Yxy color 83.0061, 0.2856, 0.3925.

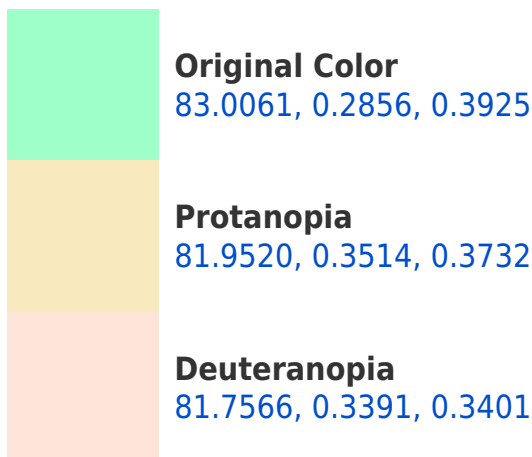


This preview shows how white text looks on a background with the Yxy color 83.0061, 0.2856, 0.3925.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy

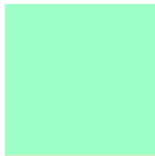




Tritanopia

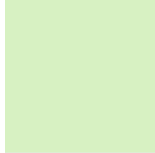
82.5946, 0.2778, 0.3151

Trichromacy



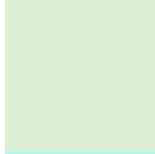
Original Color

83.0061, 0.2856, 0.3925



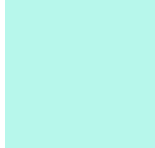
Protanomaly

81.2527, 0.3241, 0.3805



Deuteranomaly

81.0679, 0.3173, 0.3581



Tritanomaly

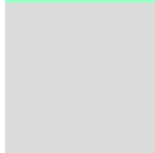
82.5870, 0.2809, 0.3422

Monochromacy



Original Color

83.0061, 0.2856, 0.3925



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

74.9522, 0.3011, 0.3516

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.0061, 0.2856, 0.3925 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(158, 255, 201)` looks like.

```
.text, #text, p{  
    color:rgb(158, 255, 201)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(158, 255, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 255, 201) }
```

Border

The CSS property to change the border of an element to Yxy 83.0061, 0.2856, 0.3925 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 255, 201) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(158, 255, 201) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(158, 255, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(158, 255,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 83.0061, 0.2856, 0.3925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 255, 201) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(158,  
255, 201) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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